



A **stronger** economy.

A **healthier** environment.

*SmartWay*  
*Transport Partners*  
**DELIVER.**



SmartWay<sup>SM</sup> Transport Partnership  
U.S. Environmental Protection Agency  
Clean Cities 2004



10th National Clean Cities  
Conference and Expo  
May 2-5, 2004

# What is the SmartWay Transport Partnership?

- **Voluntary partnership between EPA and the freight industry that will:**
  - Increase energy efficiency and energy security
  - Reduce air pollution and greenhouse gases
- **Emission Reduction Goal:**
  - 150 million barrels of oil each year (12 million cars off the road)
  - 33 to 66 million metric tons CO<sub>2</sub> annually by 2012
  - 200,000 tons NOx annually, plus PM and air toxics benefits
- **Three major SmartWay Transport components:**
  - Corporate Partnerships
  - National Transportation Idle-Free Corridors
  - Rail/Intermodal Operations

# Why Do We Need SmartWay Transport?

- **Truck and Rail:**
  - Consume over 35 billion gallons of fuel
  - Account for nearly 20% of transportation related energy use
  - Produce approximately 350 million metric tons of CO<sub>2</sub>
- **Over the next decade this impact will increase dramatically**
  - Increasing internet sales
  - Faster delivery schedules

**35 Billion Gallons**



**45 Billion Gallons**



# Current SmartWay Transport Partners



## Partners

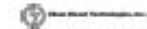
American  
Cartage



Camionnage



Central  
Freight Lines



McKelvey  
Trucking

Metropolitan  
Trucking



Nike

Norm  
Thompson  
Outfitters



Xpress Global  
Systems



# How Do Shippers Become Partners?

*Carriers deliver the majority of reductions, Shippers help deliver the carriers*

- **Shippers:**

- Commit to ship over 50% of their goods with SmartWay Transport Partner carriers within 3 years
- Assess and commit to improve their facility transportation emissions within 3 years:
  - Forklifts, generators, loaders, amount of truck idling at facility, intermodal
- Sign the Partnership Agreement

- **Shipper partners can use the logo when they:**

- ARE shipping 50% of their goods with SmartWay Transport Partner carriers

# How Do Carriers Become Partners?

*Any size or type of carrier or fleet can join the Partnership*

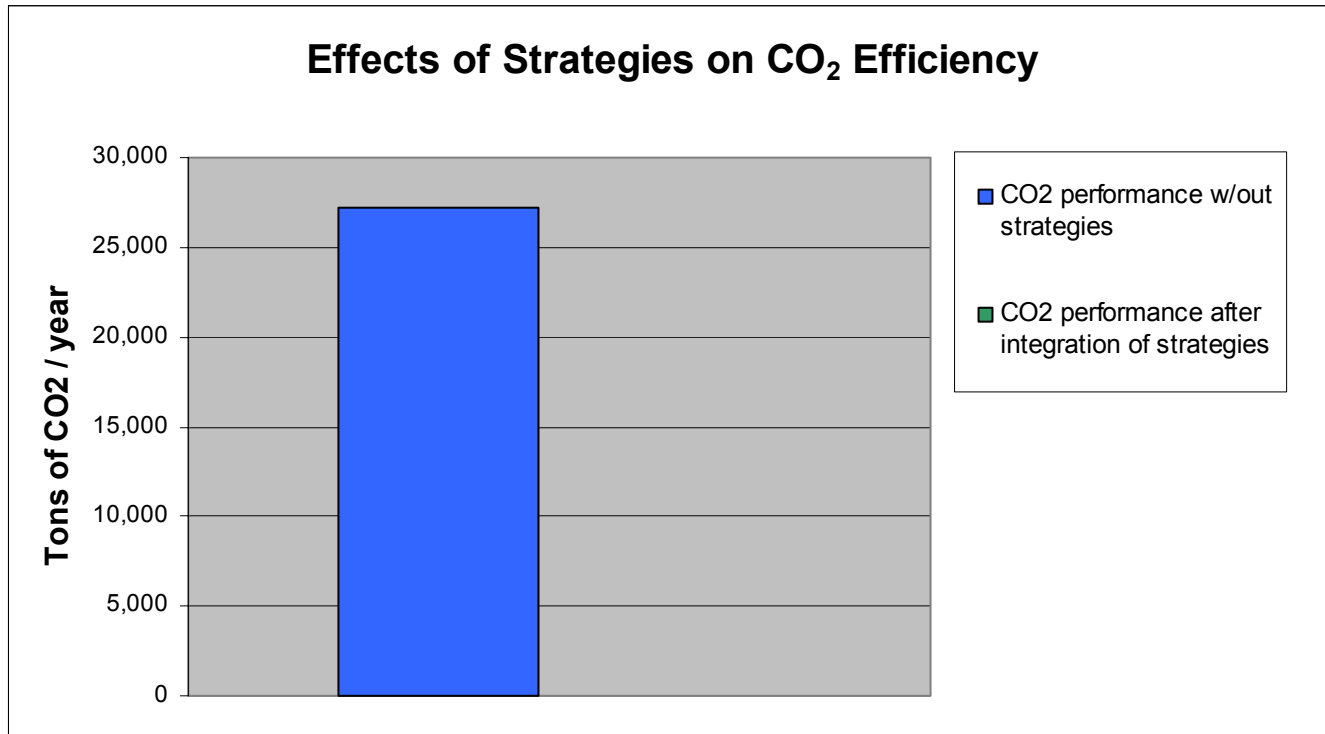
- **Carriers:**

- Measure current environmental performance with the FLEET Performance Model
- Commit to improve environmental performance within 3 years
- Sign the Partnership Agreement

- **Carrier partners can use the logo when:**

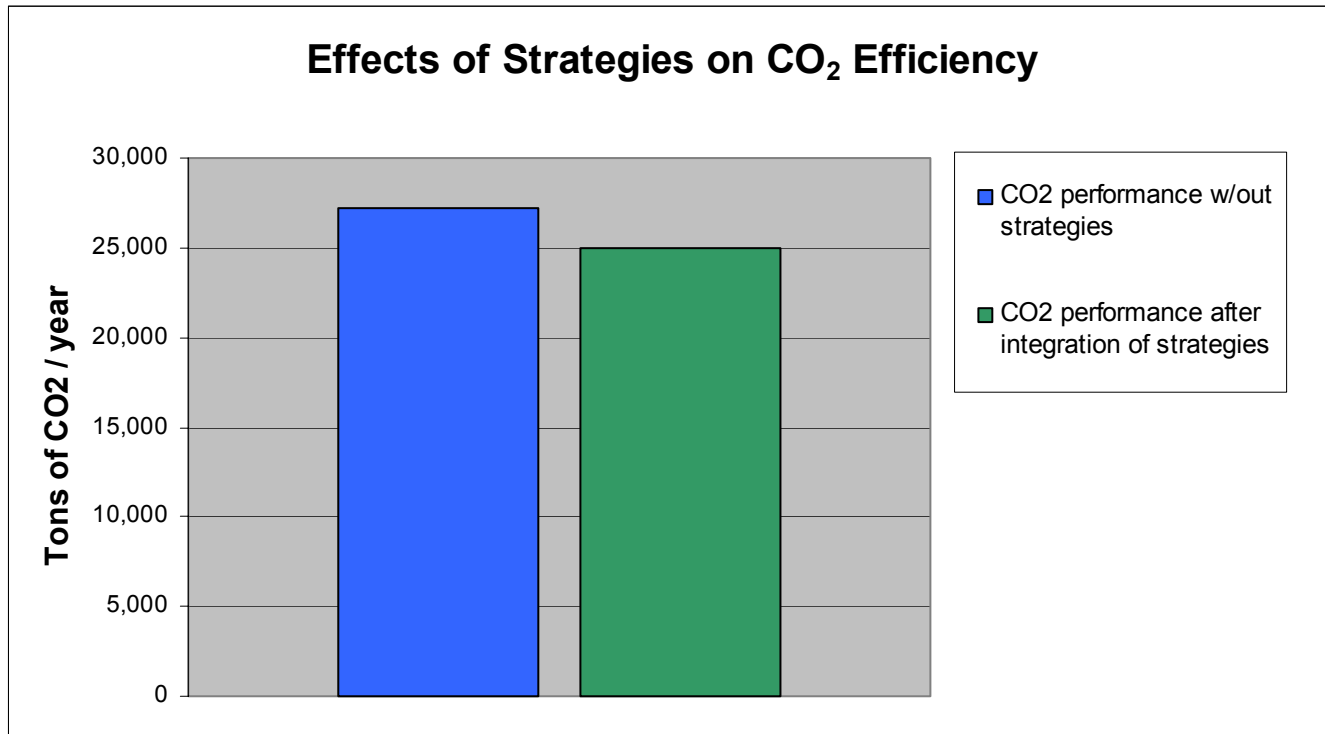
- Demonstrate superior environmental performance:
  - Achieve a 40% CO<sub>2</sub> efficiency rating
  - OR
  - Demonstrate at least a 25% CO<sub>2</sub> efficiency rating AND set and achieve an aggressive improvement goal

# What is Superior Environmental Performance?



**No environmental strategies**

# What is Superior Environmental Performance?

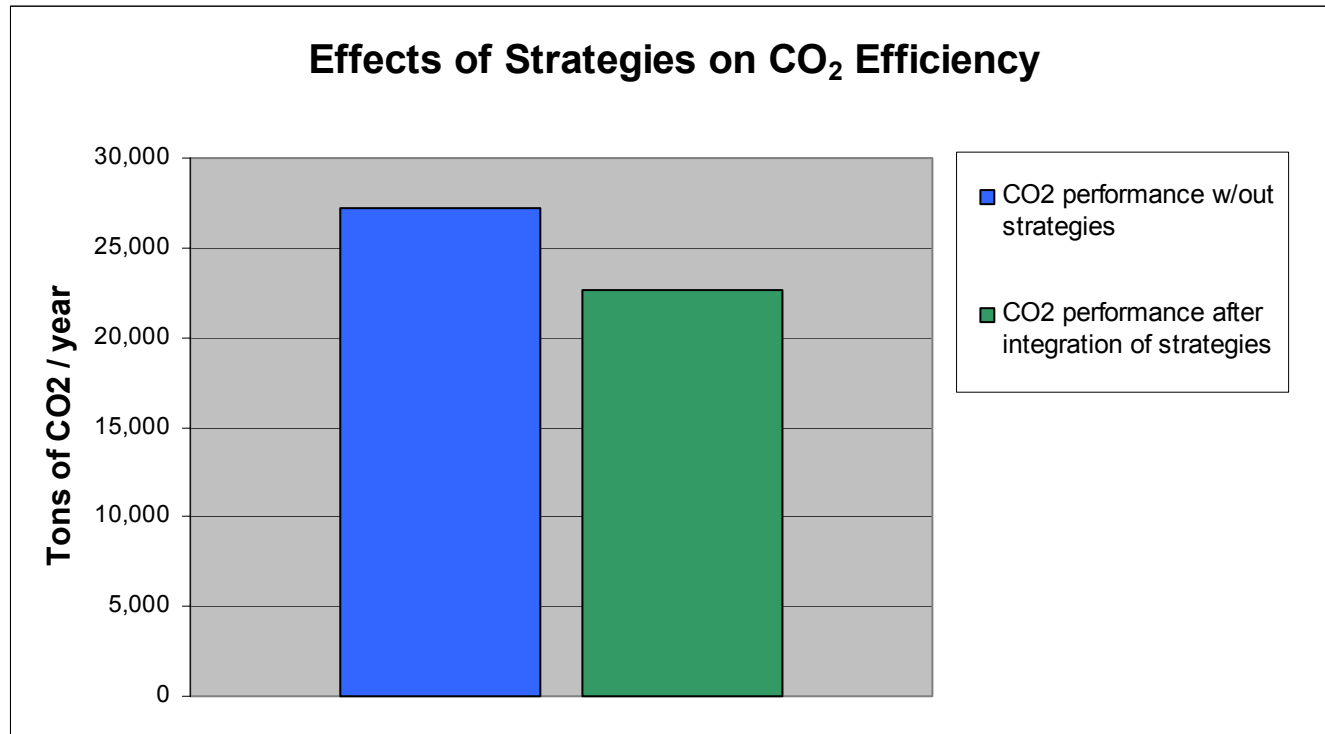


**No environmental strategies:**

**Effect of adding strategies:**

**- Speed @ 62 mph**

# What is Superior Environmental Performance?

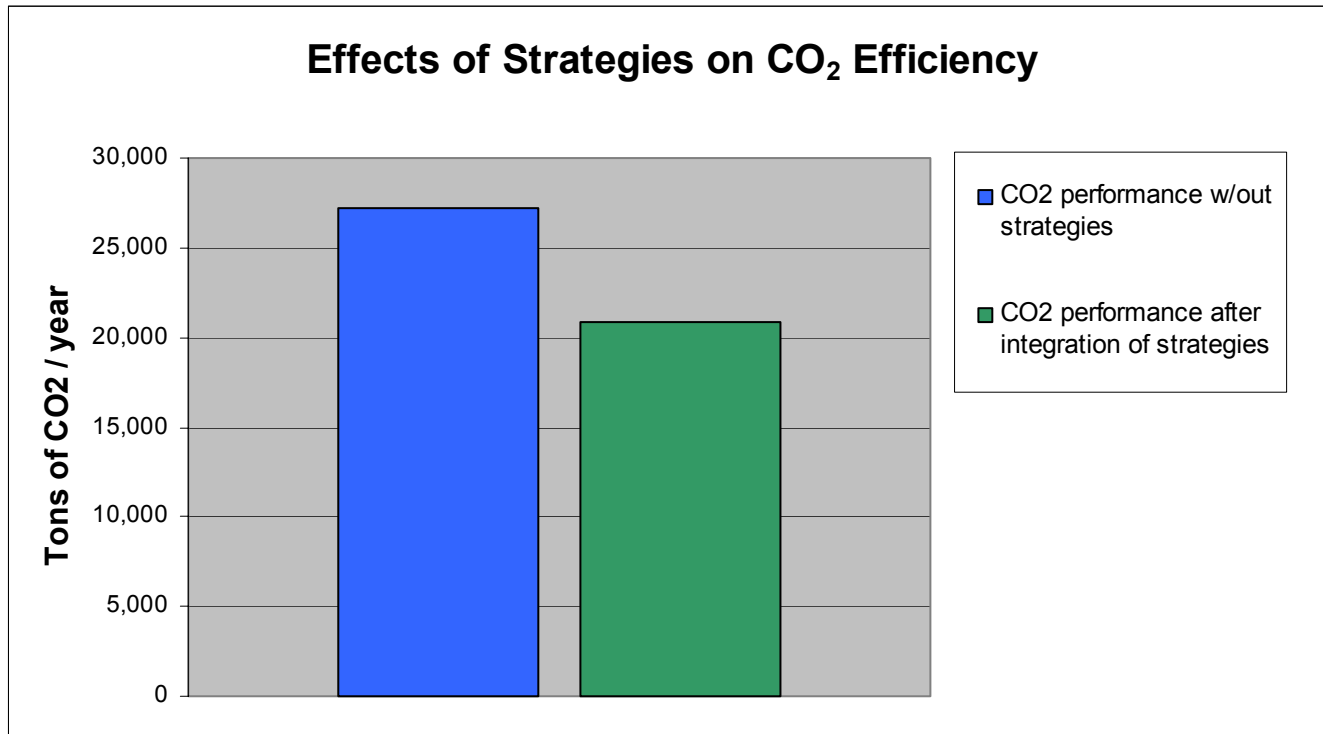


**No environmental strategies:**

**Effect of adding strategies:**

- Speed @ 62 mph      - Aerodynamics

# What is Superior Environmental Performance?

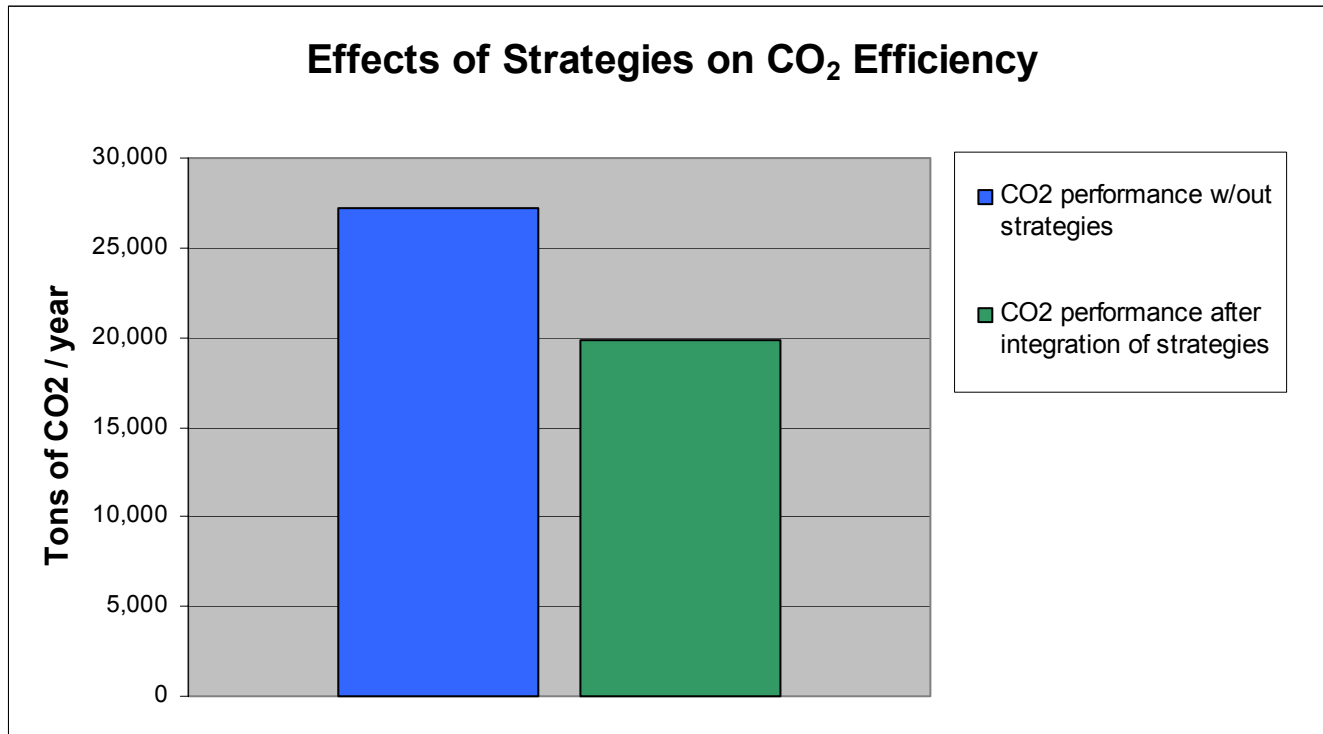


**No environmental strategies:**

**Effect of adding strategies:**

- Speed @ 62 mph
- Eliminate Idling
- Aerodynamics

# What is Superior Environmental Performance?

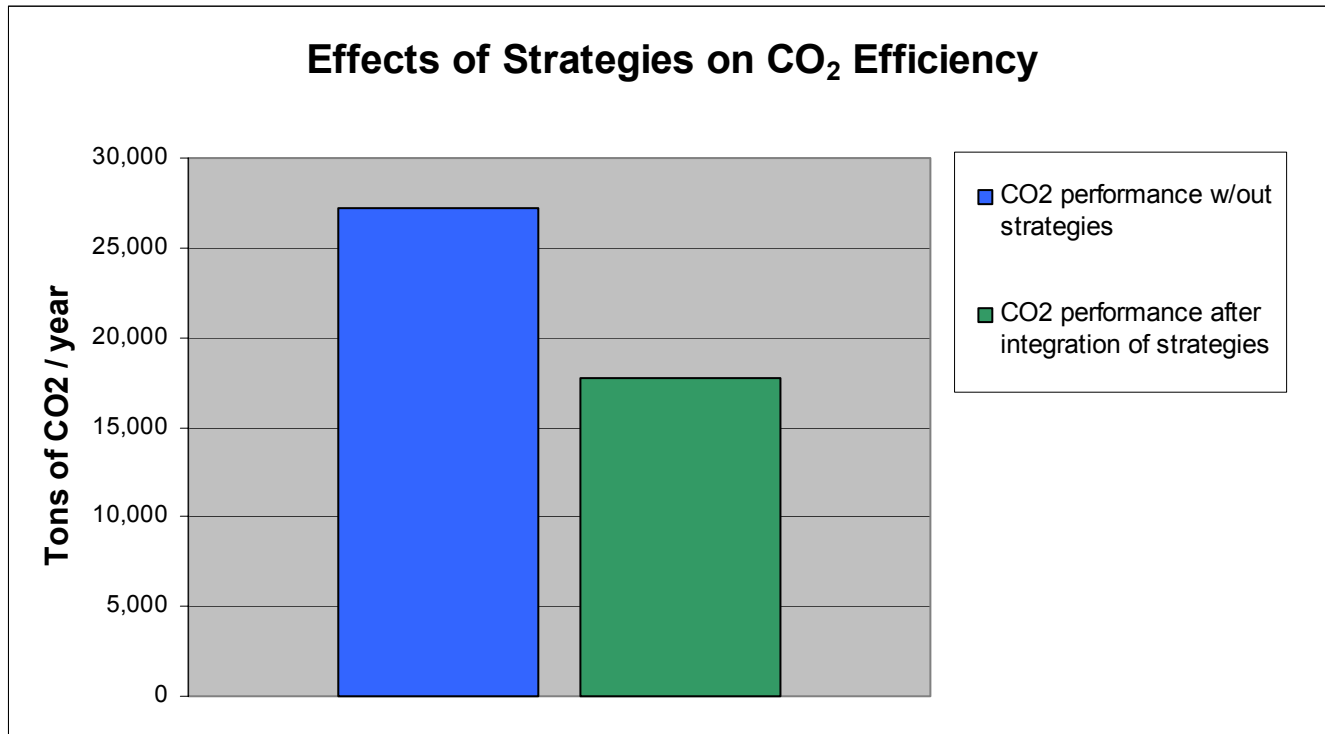


**No environmental strategies:**

**Effect of adding strategies:**

- Speed @ 62 mph
- Eliminate Idling
- Aerodynamics
- Double trailers

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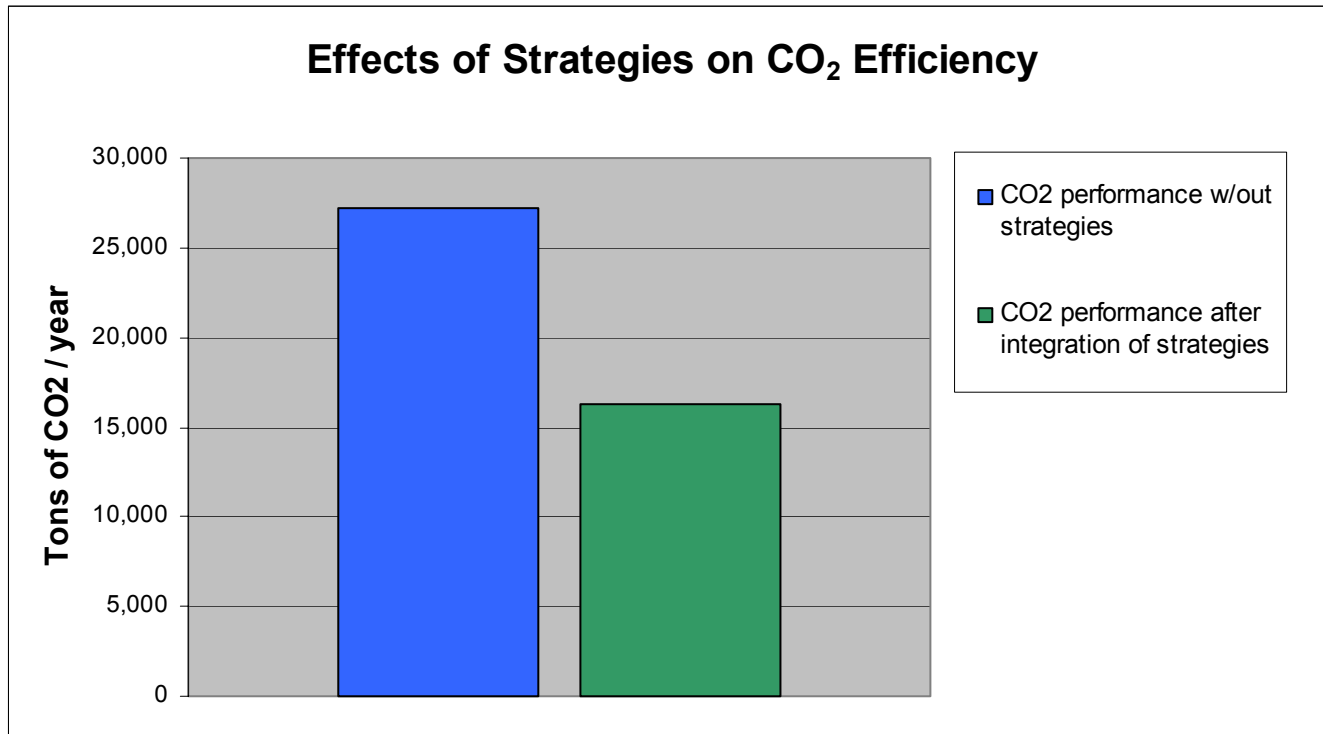


**No environmental strategies:**

**Effect of adding strategies:**

- Speed @ 62 mph
- Eliminate Idling
- Intermodal use
- Aerodynamics
- Double trailers

# What is Superior Environmental Performance?

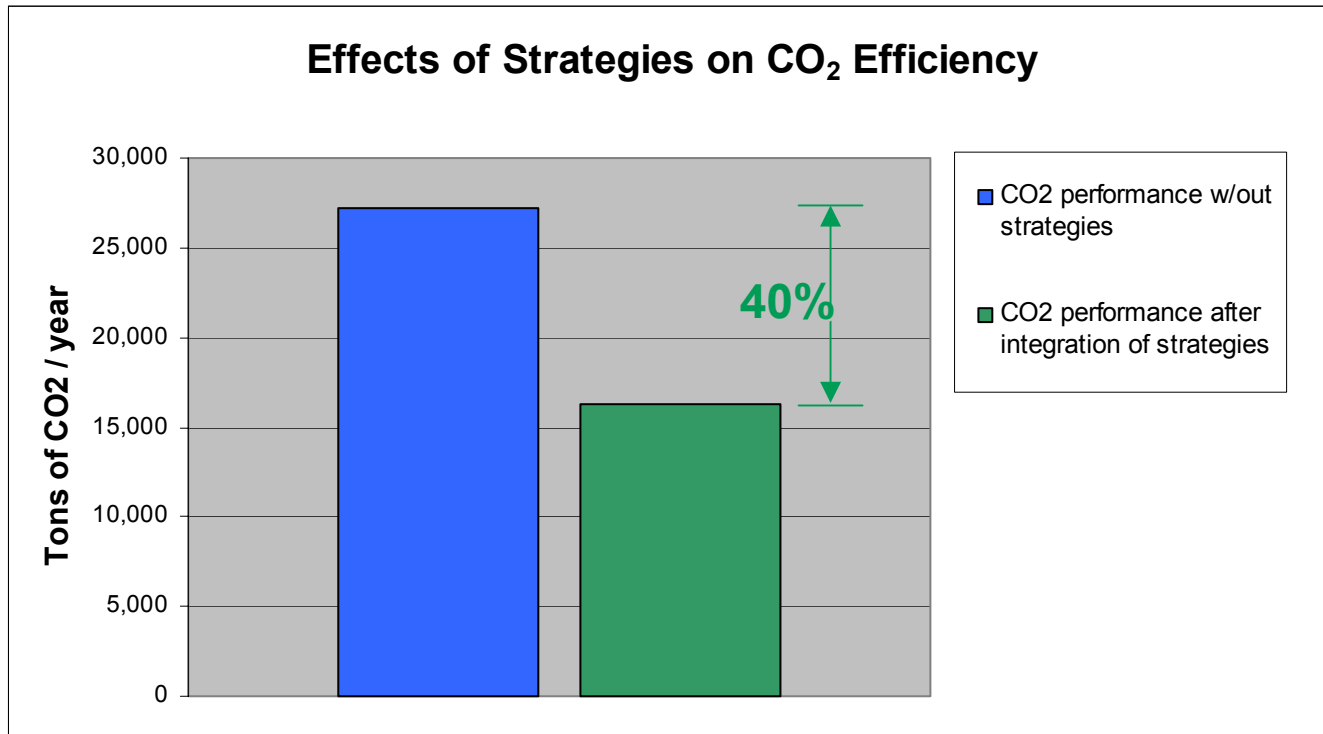


**No environmental strategies:**

**Effect of adding strategies:**

- |                       |                      |
|-----------------------|----------------------|
| - Speed @ 62 mph      | - Aerodynamics       |
| - Eliminate Idling    | - Double trailers    |
| - Intermodal use      | - Weight reduction   |
| - Auto tire inflation | - Super single tires |
| - Synthetic lubes     | - Engine upgrades    |

# What is Superior Environmental Performance?



## Effect of adding strategies:

- Speed @ 62 mph
- Eliminate Idling
- Intermodal use
- Auto tire inflation
- Synthetic lubes
- Aerodynamics
- Double trailers
- Weight reduction
- Super single tires
- Engine upgrades

# The FLEET Performance Model for Shippers

- **Freight Logistics Environmental and Energy Tracking Performance Model- Shipper Module**
  - Tracks percentage of goods shipped with SmartWay Transport carriers
    - by weight, mileage, ton-mileage, \$ value, or customized metric
  - Calculates tons of CO<sub>2</sub>, NO<sub>x</sub>, and PM from shipper's freight activities:
    - freight providers
    - truck idling at the company's facilities
    - use of intermodal operations
    - mobile sources at a company's facilities (forklifts, loaders, cranes, generators)

# The FLEET Performance Model for Carriers

- **Freight Logistics Environmental and Energy Tracking Performance Model - Carrier Module**
  - Measures the environmental performance of any fleet:
    - tons of CO<sub>2</sub>, NOx, and PM
    - the effectiveness of strategies currently used in fleet
  - Projects the effectiveness of strategies a fleet could add in the future
  - Estimates cost savings and return on investment for strategies
  - Provides a consistent approach for fleets to evaluate and record their environmental achievements



SmartWay<sup>™</sup>  
Transport Partner  
Getting There With Cleaner Air

Dear Dave:

IE: EPA SmartWay<sup>SM</sup> Program

The Home Depot seeks to minimize its environmental footprint. A key focus is reduction of emissions related to freight handling. Accordingly, The Home becomes a charter member of a new EPA Program called "SmartWay Transport."

SmartWay<sup>SM</sup> Transports is a voluntary partnership program that will help shippers and carriers to work together to measurably reduce greenhouse gas emissions. SmartWay<sup>SM</sup>, the Home Depot company, is increasing the performance of SmartWay<sup>SM</sup> Transports over the next three years. Carriers' Partners by committing to improve their fuel efficiency with innovative practices. SmartWay<sup>SM</sup> Transports carriers receive technical and log-including an Emissions Calculator tool, benchmarking of carrier performance, and personal assistance with emissions reduction efforts.

The Home Depot strongly encourages all its carrier partners to join SmartWay<sup>SM</sup> participation in SmartWay<sup>SM</sup> will provide tangible benefits:

- Fuel savings
- Long Term Cost Savings
- Proficiency in IED Logistics Sourcing activity
- "Green" Image - appeals to environmentally conscious growing groups of customers monthly
- Technical and infrastructure support from locally around and in a way standard for

For [www.apsa.gov/education/faq.asp](http://www.apsa.gov/education/faq.asp) for questions you may contact Matt Payne, Dept.

Sincerely,

W-520

Wayne G. Paul  
Asa President Transportation Services











**PACCAR** Inc





# Clean Cities: Benefits

- **Fuel Reductions**

- Better efficiency through advanced technologies or operational practices means less diesel fuel burned.

- **Promote Heavy-Duty Alternative Fuel Vehicles**

- SmartWay Transport Companies are using Alternative Fuels!
- Prime example: HEB Grocery Company

- **Promote Idle Reduction- Local Effort**

- Reducing emissions at Truck stops directly benefit local areas
- High publicity
- Health benefits

# Clean Cities Action Items: How YOU can help!

- **Recruitment:**

- Clean City Coordinators/Clean City Personnel**

- Encourage locally based companies, both shipper, and carriers to join the partnership!
    - EPA will track who helps recruits the most companies and will publicly recognize those who significantly contribute to our efforts
    - Coordinate with EPA Regions
    - Send leads to SmartWay staff

- **Education and Media**

- Help distribute SmartWay information
  - Link to the SmartWay Website: [www.epa.gov/SmartWay](http://www.epa.gov/SmartWay)
  - Educate other local environmental groups

- **Recognition Events**

- Help plan and execute local recognition efforts

# Contact the SmartWay Transport Partnership Team



## Contact Info:

**[www.epa.gov/smartway](http://www.epa.gov/smartway)**

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**(734) 214-4767**